NAC

N-Acetyl-Cysteine





Clinical Applications

- Supports Detoxification*
- Supports Healthy Respiratory Function*
- Supports Cellular Antioxidant Activity*
- Improves Glutathione*

NAC N-Acetyl Cysteine is an amino acid that is a precursor to glutathione, the body's most powerful antioxidant, and helps promote optimal detoxification.

All Adaptogen Research Formulas Meet or Exceed cGMP Quality

Discussion

NAC (N-Acetyl Cysteine) is an amino acid that boosts antioxidant function and is commonly used as an agent to help clear sinus and airway congestion caused by mucus overproduction.

NAC is a source of the conditionally essential amino acid L-cysteine and is a precursor to the tripeptide glutathione, an essential intracellular antioxidant, and therefore supports antioxidant and cellular detoxification pathways in the body. In addition, a growing body of research also highlights the role of NAC in supporting neuropsychiatric health.

N-Acetyl cysteine is one of the few antioxidants found to raise glutathione levels.

Glutathione is an important antioxidant used in many different metabolic processes within the body. Maintaining adequate levels is important to maintaining the health of the respiratory, hepatic and immune systems. It is also important in supporting antioxidant protection of lipids and proteins and supporting the normal response to inflammation.1-7

Glutathione is not well absorbed by the body when taken orally, so it can be difficult to sustain adequate glutathione levels. NAC has been shown to significantly increase glutathione levels.

NAC is also capable of reducing the viscosity of mucous and is also used to support respiratory and pulmonary health.

Daily Value
0 mg *

Other Ingredients: Cellulose (capsule), stearates (vegetable source), microcrystalline cellulose.

Suggested Use

As a dietary supplement, take one capsule per day, or as directed by your healthcare practitioner.

Caution

Keep out of reach of children.



*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.



References

- 1. De Rosa SC, et al. N-acetylcysteine replenishes glutathionein HIV infection. Eur J Clin Invest 2000 Oct;30(10):841-2. [PMID:11029607].
- 2. Atkuri KR, Mantovani JJ, Herzenberg LA, et al. N-Acetylcysteine-a safe antidote for cysteine/glutathione deficiency. Curr OpinPharmacol. 2007 Aug;7(4):355-9. Review. [PMID: 17602868].
- 3. White AC, Thannickal VJ, Fanburg BL. Glutathione deficiencyin human disease. J Nutr Biochem. 1994;5:218-26.http://www.sciencedirect.com/science/article/pii/0955286394900396Updated January 27, 2003. Accessed February 27, 2012.
- 4. Pace GW, Leaf CD. The role of oxidative stress in HIV Disease. Free Rad Biol Med. 1995;19:523-8. [PMID: 7590404].
- 5. Favier A, Sappey C, Leclerc P, et al. Antioxidant status and lipidperoxidation in patients infected with HIV. Chem Biol Interact.1994 Jun;91(2-3):165-80. Review. [PMID: 8194133].
- 6. Nakamura H, Masutani H, Yodoi J. Redox imbalance and itscontrol in HIV infection. Antioxid Redox Signal. 2002 Jun;4(3):455-64. [PMID: 12215212].
- 7. Roberts RL, Aroda VR, Ank BJ. N-acetylcysteine enhancesantibody-dependent cellular toxicity in neutrophils and mononuclear cells from healthy adults and humanimmunodeficiency virus-infected patients. J Infect Dis. 1995Dec;172(6):1492-502. [PMID: 7594708].

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